

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 03/089778 A1(51) International Patent Classification⁷: F02M 25/028, B05B 12/14

(21) International Application Number: PCT/FI03/00304

(22) International Filing Date: 16 April 2003 (16.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20020755 19 April 2002 (19.04.2002) FI

(71) Applicant (for all designated States except US): MAR-IOFF CORPORATION OY [FI/FI]; P.O.BOX 25, Hakamäenkuja 4, FIN-01511 VANTAA (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SUNDHOLM, Göran [FI/FI]; Ilmari Kiannon kuja 3, FIN-04310 TUUSULA (FI).

(74) Agent: HEINÄNEN OY; Annankatu 31-33 C, FIN-00100 HELSINKI (FI).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

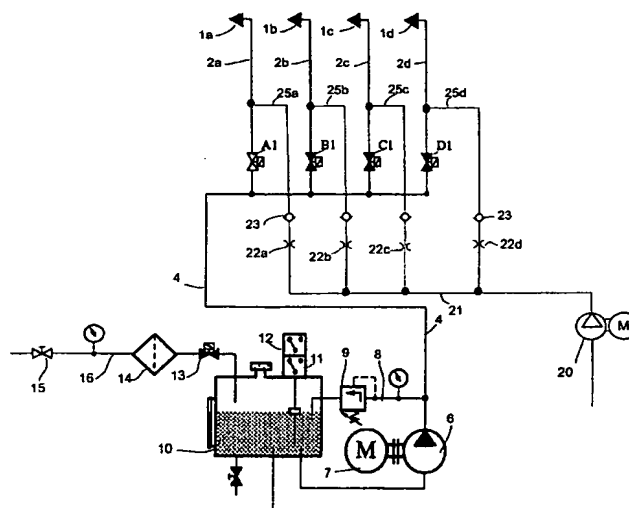
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS IN A SPRAYING APPARATUS



(57) Abstract: A method in a spraying apparatus, especially a spraying apparatus intended for the humidification of intake air, said apparatus comprising at least one spraying nozzle (1a, 1b, 1c, 1d) for spraying a liquid and/or gas into the intake air. After the supply of the liquid and/or gas to be sprayed has been interrupted, a second pressure medium, such as a liquid or gas, is conveyed to the nozzle, or the supply of the first pressure medium to the nozzle is continued at a substantially lower pressure to prevent clogging of the nozzle.

WO 03/089778 A1